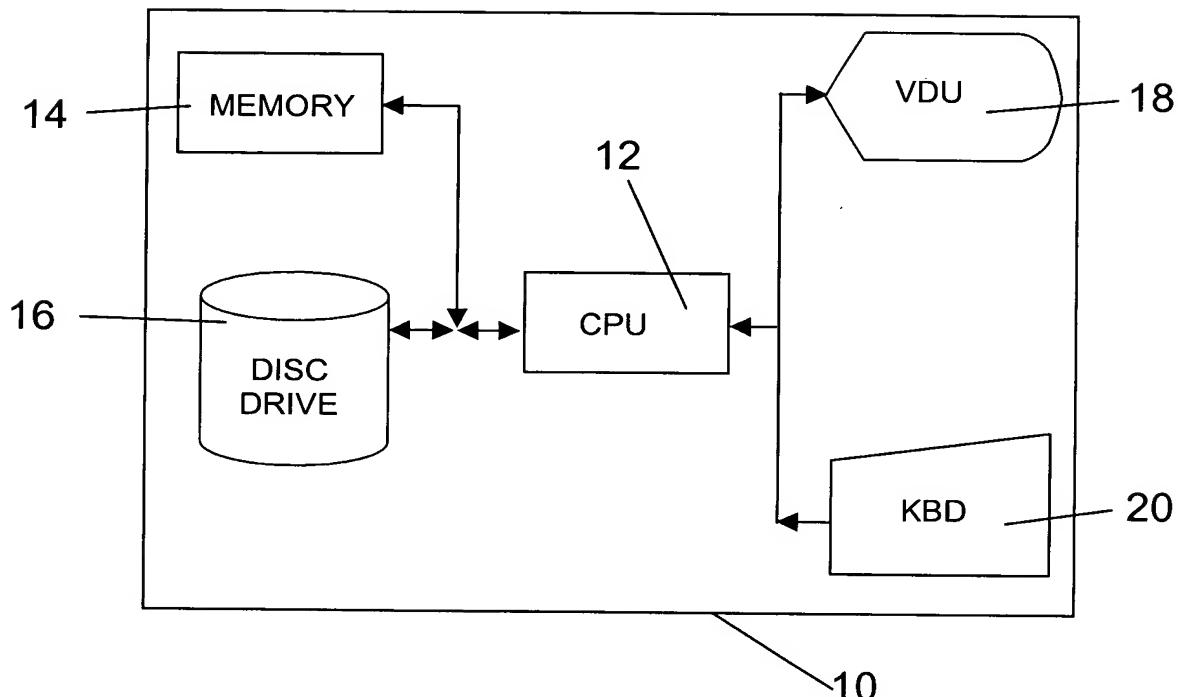
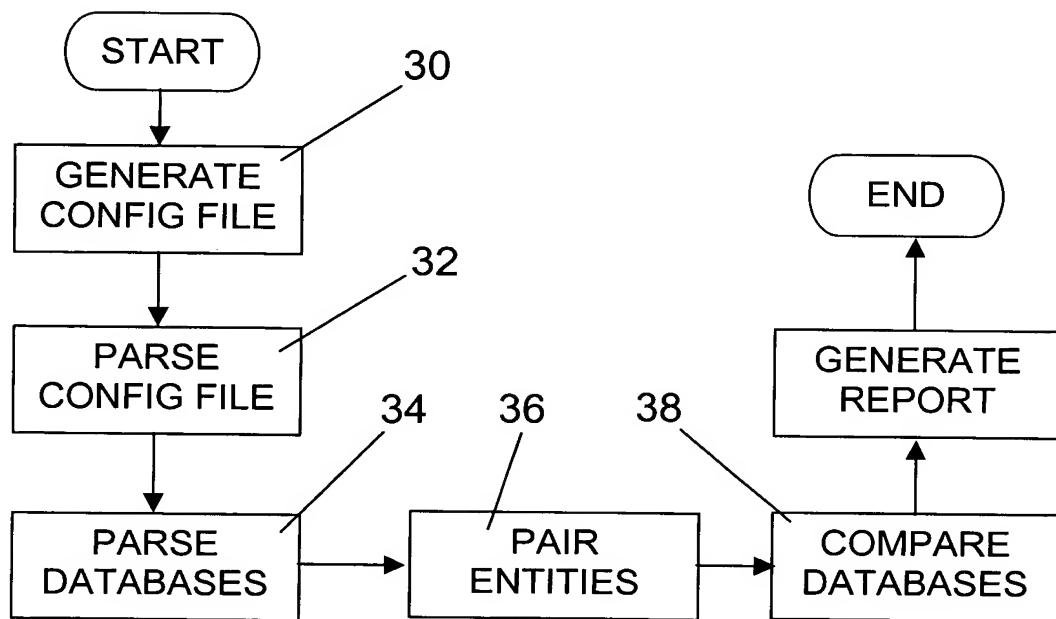
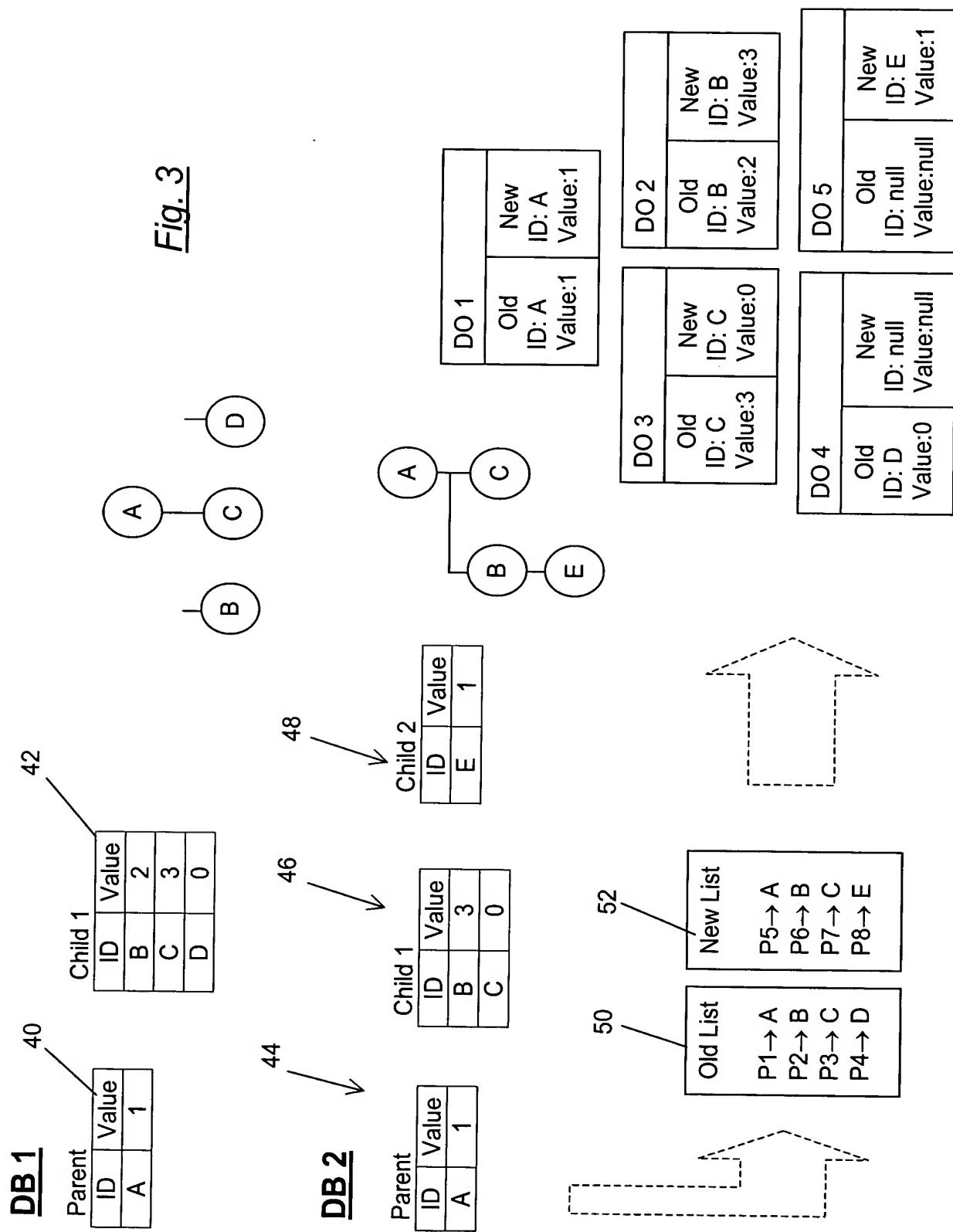


Fig. 1Fig. 2



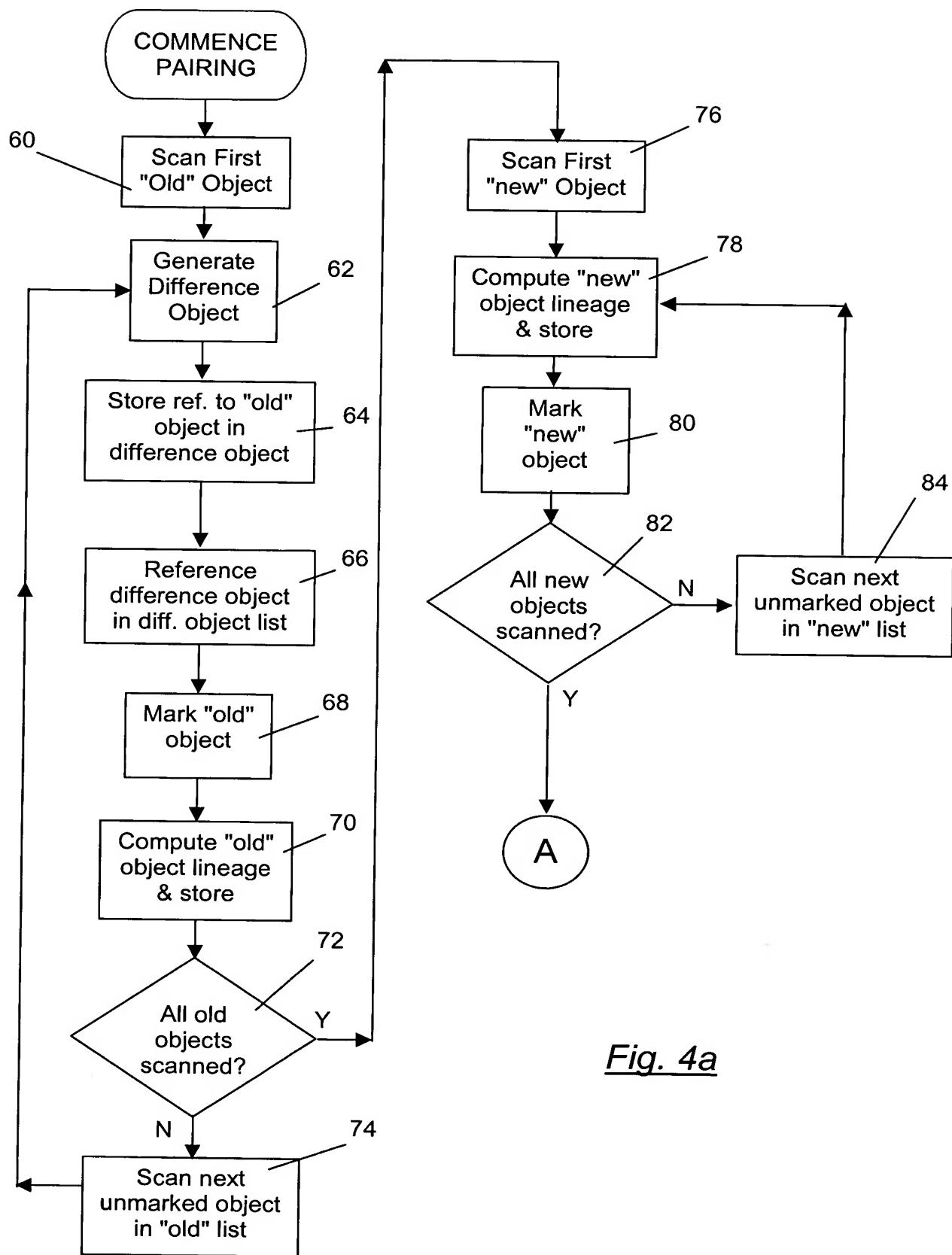
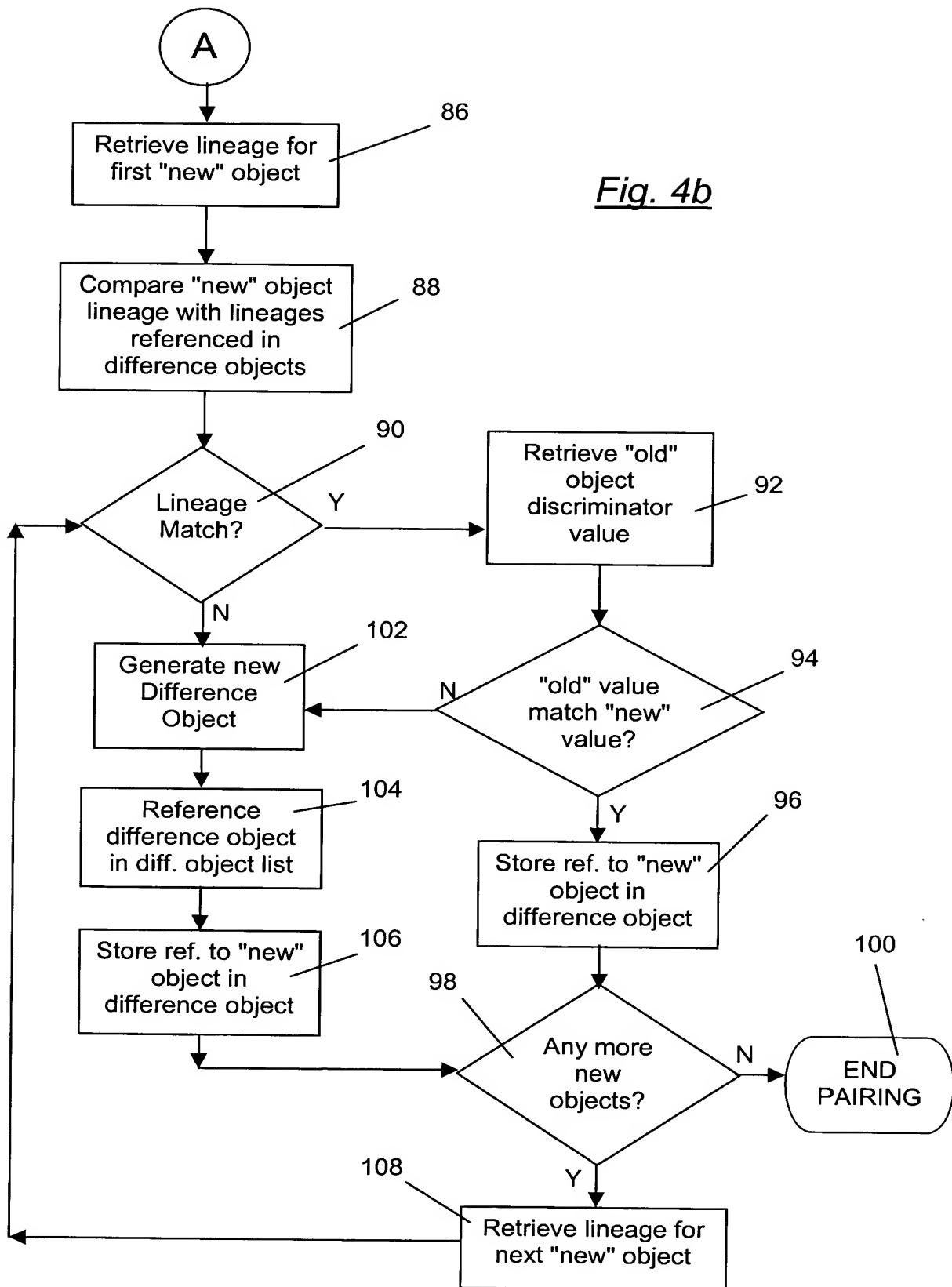


Fig. 4a



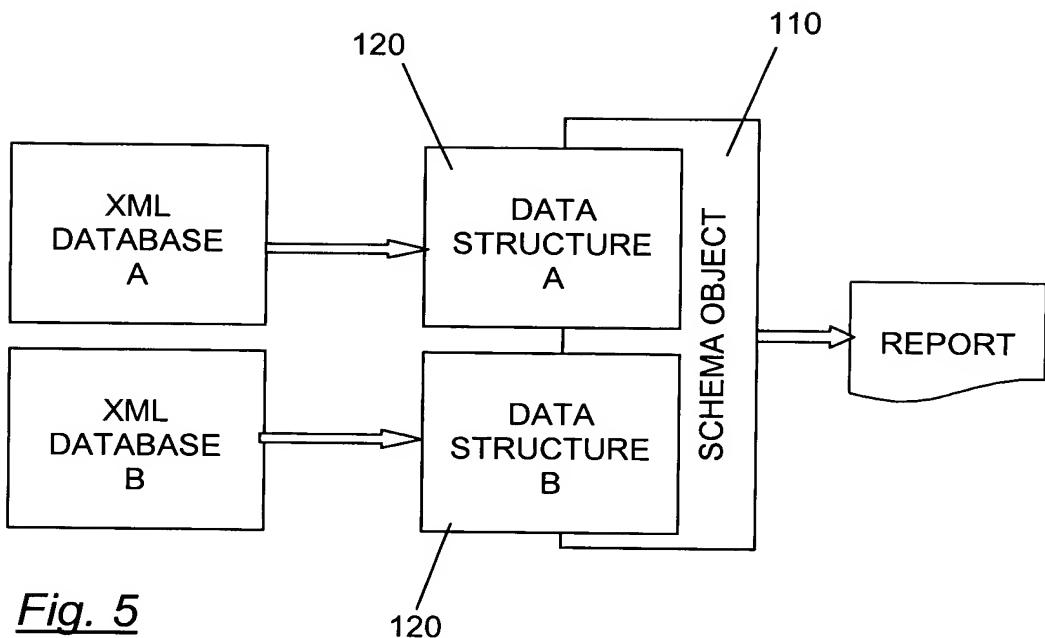


Fig. 5

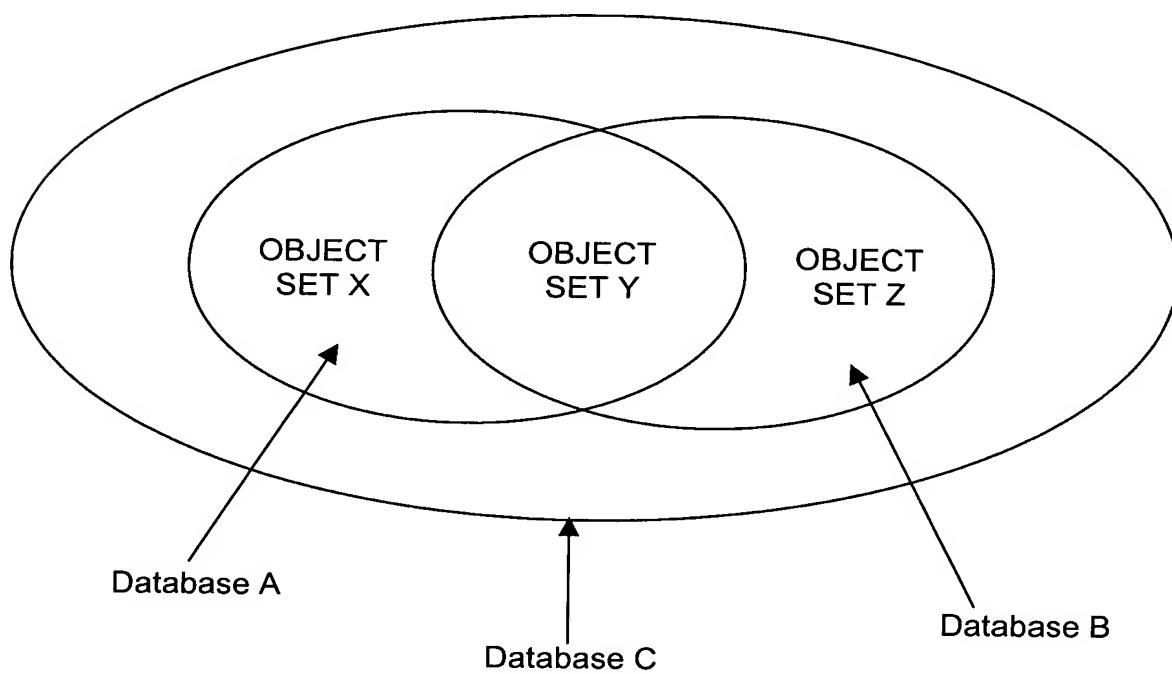


Fig. 6

## BEACH SOLUTIONS XML DATABASE DIFFERENCE REPORT

Fig. 7

'Old' Database = C:/users/mark\_kh/ccm\_wa/beach4/workAreaMark\_kh-1/workAreaMark\_kh/EasiDiff/inputXmlFiles/XML\_Diff\_Eng\_Test\_DB\_1\_0\_8\_Old.xml  
'New' Database = C:/users/mark\_kh/ccm\_wa/beach4/workAreaMark\_kh-1/workAreaMark\_kh/EasiDiff/inputXmlFiles/XML\_Diff\_Eng\_Test\_DB\_1\_0\_8\_New.xml

'Old' Database last modified: 2002 Sep 4 11:36:48  
'New' Database last modified: 2002 Sep 4 11:36:40

Comparison selected to be by "id"

**Difference report options set to include:**

Unmodified Elements	Modified Elements	Modified Attributes	Deleted Elements	Inserted Elements

**Element report options set to include:**

Cells	Registersets	Registers	RegisterBitfields	Ports	Enumerations	Products	LocatedComponents

**Description filter option set to:**

	Whole description including embedded tags
--	---

**Report format options set to:**

CSV	HTML
-----	------

Report created: 2003 July 24 09:25:39 UTC  
Copyright © 2003 Beach Solutions Ltd. All rights reserved.

Element Type	Element Name	Change Type	Attribute Name	Old Attribute Value	New Attribute Value	Ancestral Line
Cell_Unmod		UNMODIFIED		.	.	. cell  . cell
Cell_Mod		MODIFIED Attribute	ShortName	CM	CMM	. cell  . cell
Cell_Mod		MODIFIED Attribute	Version	0	1	. cell  . cell
Cell_Mod		MODIFIED Attribute	DefaultAddressIncrement	1	2	. cell  . cell
Cell_Mod		MODIFIED Attribute	AddressWidth	10	8	. cell  . cell
Cell_Mod		MODIFIED Attribute	DataWidth	32	24	. cell  . cell
Cell_Mod		MODIFIED Attribute	Description	Modified Cell	Cell_Mod's Modified Description	. cell  . cell
Cell_Mod		MODIFIED Element	.	.	.	. cell  . cell
Cell_Del		DELETED	.	.	.	. cell  . cell
Product_Unmod		UNMODIFIED	.	.	.	. product  . product
Product_Mod		MODIFIED Attribute	ShortName	PM	PMM	. product  . product
Product_Mod		MODIFIED Attribute	Prefix	mkh	rkh	. product  . product
Product_Mod		MODIFIED Attribute	Version	0	1	. product  . product

Product_Mod	MODIFIED Attribute	Description	Modified Product	Product Mod's Modified Description	· product  · product
Product_Mod	MODIFIED Element	.	.	.	· product  · product
Product_Del	DELETED	.	.	.	· product  · product
_default	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerSet
RegisterSet_Unmod1	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerSet
_default	UNMODIFIED	.	.	.	cell_2:: registerSet  Cell_Mod:: registerSet
RegisterSet_Mod1	MODIFIED Attribute	ShortName	SM1	SM1M	cell_2:: registerSet  Cell_Mod:: registerSet
RegisterSet_Mod1	MODIFIED Attribute	RepeatNumb	1	2	cell_2:: registerSet  Cell_Mod:: registerSet
RegisterSet_Mod1	MODIFIED Attribute	AddressStep	0y1	0y10	cell_2:: registerSet  Cell_Mod:: registerSet
RegisterSet_Mod1	MODIFIED Attribute	OffsetAddress	0y1	0y10	cell_2:: registerSet  Cell_Mod:: registerSet
RegisterSet_Mod1	MODIFIED Attribute	Description	Cell_Mod's Modified RegisterSet	Cell_Mod's Modified RegisterSet	cell_2:: registerSet  Cell_Mod:: registerSet
_default	MODIFIED Element	.	.	.	cell_2:: registerSet  Cell_Del:: registerSet
RegisterSet_Mod1	DELETED	.	.	.	cell_3:: registerSet  Cell_Del:: registerSet
RegisterSet_Del1	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerSet
Bitfield_Unmod	UNMODIFIED	.	.	.	cell_1:: registerSet  Cell_Unmod:: registerBitfield

Bitfield_Ummod1	UNMODIFIED	.	.	.	cell_1::registerSet_2::register_2:: registerBitfield  Cell_Ummod::RegisterSet_Ummod:: Register_Unmod1:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	ShortName	BM	BMM	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	Access	readWrite	read	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	LowerBound	0y0	0y1000	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	UpperBound	0y1111	0y10111	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	DestuctiveRead	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	IndependentRead	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	IndependentWrite	no	yes	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	PowerOnResetValue	0y0	0y1	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Attribute	Description	Register_Mod's Bitfield	Register_M	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod	MODIFIED Element	.	.	.	cell_2::registerSet_3::register_3:: registerBitfield  Cell_Mod:: registerMod:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	ShortName	BM1	BMM	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod:: registerSet_Mod1:: registerMod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Access	readWrite	write	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod:: registerSet_Mod1:: registerMod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	LowerBound	0y0	0y1000	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod:: registerSet_Mod1:: registerMod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	UpperBound	0y1111	0y10111	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod:: registerSet_Mod1:: registerMod1:: registerBitfield

Bitfield_Mod1	MODIFIED Attribute	DestructiveRead	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Independent Read	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Independent Write	no	yes	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	PowerOnResetValue	0y0	0y1	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Attribute	Description	Register_Mod1's Bitfield	Register_Mod1's	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4::register_4:: registerBitfield  Cell_Mod::RegisterSet_Mod1::Register_Mod1:: registerBitfield
Bitfield_Del	DELETED	.	.	.	cell_3::registerSet_5::register_5:: registerBitfield  Cell_Del::default::Register_Del:: registerBitfield
Bitfield_Del	DELETED	.	.	.	cell_3::registerSet_6::register_6:: registerBitfield  Cell_Del::RegisterSet_Del1::Register_Del1:: registerBitfield
Register_Unmod	MODIFIED Attribute	Description	Cell_Unmod's <tagName value="old"/> Register	Cell_Unmod's <tagName value="new"/> Register	cell_1::registerSet_1:: register  Cell_Unmod::default:: register
Register_Unmod	MODIFIED Element	.	.	.	cell_1::registerSet_1:: register  Cell_Unmod::default:: register
Register_Unmod1	MODIFIED Attribute	Description	RegisterSet_Unmod1's <tagName value="old"/> Register	RegisterSet_Unmod1's <tagName value="new"/> Register	cell_1::registerSet_2:: register  Cell_Unmod::RegisterSet_Unmod1:: register
Register_Unmod1	MODIFIED Element	.	.	.	cell_1::registerSet_2:: register  Cell_Unmod::RegisterSet_Unmod1:: register
Register_Mod	MODIFIED Attribute	ShortName	RM	RMM	cell_2::registerSet_3:: register  Cell_Mod::default:: register

	Register_Mod	MODIFIED Attribute	Access	readWrite	read	cell_2::registerSet_3:: register  Cell_Mod::_default:: register
	Register_Mod	MODIFIED Attribute	Width	32	24	cell_2::registerSet_3:: register  Cell_Mod::_default:: register
	Register_Mod	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_3:: register  Cell_Mod::_default:: register
	Register_Mod	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_3:: register  Cell_Mod::_default:: register
	Register_Mod	MODIFIED Attribute	Description	Cell_Mod's Register	Cell_2::registerSet_3:: register  Cell_Mod::_default:: register	Cell_Mod's Modified Register
	Register_Mod	MODIFIED Element	.	.	.	cell_2::registerSet_3:: register  Cell_Mod::_default:: register
	Register_Mod1	MODIFIED Attribute	ShortName	RM1	RM1M	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Attribute	Access	readWrite	write	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Attribute	Width	32	24	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Attribute	LowerBound	0y0	0y1	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Attribute	UpperBound	0y0	0y1	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Attribute	Description	RegisterSet Mod1's Register	RegisterSet Mod1's Modified Register	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4:: register  Cell_Mod::RegisterSet_Mod1:: register
	Register_Del	DELETED	.	.	.	cell_3::registerSet_5:: register  Cell_Del::_default:: register
	Register_Del1	DELETED	.	.	.	cell_3::registerSet_6:: register  Cell_Del::RegisterSet_Del1:: register

Enum_Unmod	UNMODIFIED	.	.	cell_1::registerSet_1::register_1::registerBitfield_1::[enumeratio n] Cell_Unmod::_default::Register_Untag mentation
Enum_Unmod1	UNMODIFIED	.	.	cell_1::registerSet_2::register_2::registerBitfield_2::[enumeratio n] Cell_Unmod::RegisterSet_Unmod1::Register_Unmod1::Bitfield _Unmod1::[enumeration
Enum_Mod	MODIFIED Attribute	Access	readWrite	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeratio n] Cell_Mod::_default::Register_Mod::[enumeration
Enum_Mod	MODIFIED Attribute	LowerBound	0y0	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeratio n] Cell_Mod::_default::Register_Mod::Bitfield_Mod::[enumeration
Enum_Mod	MODIFIED Attribute	UpperBound	0y0	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeratio n] Cell_Mod::_default::Register_Mod::Bitfield_Mod::[enumeration
Enum_Mod	MODIFIED Attribute	Description	Bitfield_Mo d's Modified Enum	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeratio n] Cell_Mod::_default::Register_Mod::Bitfield_Mod::[enumeration
Enum_Mod	MODIFIED Element	.	.	cell_2::registerSet_3::register_3::registerBitfield_3::[enumeratio n] Cell_Mod::_default::Register_Mod::Bitfield_Mod::[enumeration
Enum_Mod1	MODIFIED Attribute	Access	readWrite	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeratio n] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[ enumeration
Enum_Mod1	MODIFIED Attribute	LowerBound	0y0	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeratio n] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[ enumeration
Enum_Mod1	MODIFIED Attribute	UpperBound	0y0	cell_2::registerSet_4::register_4::registerBitfield_4::[enumeratio n] Cell_Mod::RegisterSet_Mod1::Register_Mod1::Bitfield_Mod1::[ enumeration

Enum_Mod1	MODIFIED Attribute	Description	Bitfield_Mod1's Modified Enum	Bitfield_Mo d1's Modified Enum	cell_2::registerSet_4::register_4::registerBitfield_4::enumeratio n Cell_Mod::RegisterSet_Mod1::Register_Mod1::enumeration
Enum_Mod1	MODIFIED Element	.	.	.	cell_2::registerSet_4::register_4::registerBitfield_4::enumeratio n Cell_Mod::RegisterSet_Mod1::Register_Mod1::enumeration
Enum_Del	DELETED	.	.	.	cell_3::registerSet_5::register_5::registerBitfield_5::enumeratio n Cell_Del::_default::Register_Del::Bitfield_Del::enumeration
Enum_Del1	DELETED	.	.	.	cell_3::registerSet_6::register_6::registerBitfield_6::enumeratio n Cell_Del::RegisterSet_Del1::Register_Del1::Bitfield_Del1::enu meration
Prod_Unmod_Cell_Unmod	UNMODIFIED	.	.	.	Product_1:: locatedComponent Product_Unmod:: locatedComponent
Prod_Unmod_Cell_Mod	UNMODIFIED	.	.	.	Product_1:: locatedComponent Product_Unmod:: locatedComponent
Prod_Mod_Cell_Unmod	UNMODIFIED	.	.	.	Product_2:: locatedComponent Product_Mod:: locatedComponent
Prod_Mod_Cell_De_l	DELETED	.	.	.	Product_2:: locatedComponent Product_Mod:: locatedComponent
Produc_Del_Cell_De_l	DELETED	.	.	.	Product_3:: locatedComponent Product_Del:: locatedComponent
Produc_Del_Cell_Mod	DELETED	.	.	.	Product_3:: locatedComponent Product_Del:: locatedComponent
Cell_Ins	INSERTED	.	.	.	cell
Product_Ins	INSERTED	.	.	.	product
_default	INSERTED	.	.	.	cell_5:: registerSet Cell_Ins:: registerSet

RegisterSet_Ins1	INSERTED	.	cell_5:: registerSet  Cell_Ins:: registerSet
Bitfield_Ins	INSERTED	.	cell_5::registerSet_9:: registerBitfield  Cell_Ins:: default::Register_Ins:: registerBitfield
Bitfield_Ins1	INSERTED	.	cell_5::registerSet_10:: registerBitfield  Cell_Ins:: RegisterSet_Ins1:: Register_Ins1:: registerBitfield
Register_Ins	INSERTED	.	cell_5::registerSet_9:: register  Cell_Ins:: default:: register
Register_Ins1	INSERTED	.	cell_5::registerSet_10:: register  Cell_Ins:: RegisterSet_Ins1:: register
Enum_Ins	INSERTED	.	cell_5::registerSet_9:: registerBitfield_9:: enumeratio n  Cell_Ins:: default:: Register_Ins:: Bitfield_Ins:: enumeration
Enum_Ins1	INSERTED	.	cell_5::registerSet_10:: register_10:: registerBitfield_10:: enumer ation  Cell_Ins:: RegisterSet_Ins1:: Register_Ins1:: Bitfield_Ins1:: enum eration
Product_Ins_Cell_Ins	INSERTED	.	product_4:: locatedComponent  Product_Ins:: locatedComponent
Product_Ins_Cell_Mod	INSERTED	.	product_4:: locatedComponent  Product_Ins:: locatedComponent
Prod_Mod_Cell_Ins	INSERTED	.	product_2:: locatedComponent  Product_Mod:: locatedComponent